



PC25700A.ST25
SEQUENCE LISTING

<110> Pfizer, Inc.
Katugampola, Sidath Dhammika

<120> TREATMENT OF HYPERTENSION

<130> PC25700A

<150> 60/454,052

<151> 2003-03-12

<160> 6

<170> PatentIn version 3.2

<210> 1

<211> 1197

<212> DNA

<213> homo sapiens

<400> 1

atgcacaccg tggctacgtc cggacccaac gcgctctggg gggcaccggc caacgcctcc	60
ggctgcccgg gctgtggcgc caacgcctcg gacggcccag tcccttcgcc gcggggccgtg	120
gacgcctggc tcgtgccgct cttcttcgcg gcgctgatgc tgctgggcct ggtggggaac	180
tcgctggtca tctacgtcat ctgccgccac aagccgatgc ggaccgtgac caacttctac	240
atcgccaacc tggcgggccac ggacgtgacc ttcctcctgt gctgtgtccc cttcacggcc	300
ctgctgtacc cgctgcccgg ctgggtgctg ggcgacttca tgtgcaagtt cgtcaactac	360
atccagcagg tctcggtgca ggccacgtgt gccactctga ccgccatgag tgtggaccgc	420
tggtacgtga cgggtgtccc gttgcgcgcc ctgcaccgcc gcacgccccg cctggcgctg	480
gctgtcagcc tcagcatctg ggtaggctct gcggcggtgt ctgcgccggt gctcgccctg	540
caccgcctgt caccggggcc gcgcgcctac tgcagtgagg ctttccccag ccgcgcctg	600
gagcgcgcct tcgcactgta caacctgctg gcgctgtacc tgctgccgct gctcgccacc	660
tgcgctgct atgcggccat gctgcgccac ctgggcccgg tcgccgtgcg ccccgcgcc	720
gccgatagcg ccctgcaggg gcaggtgctg gcagagcgcg caggcgccgt gcgggccaag	780
gtctcgcggc tgggtggcggc cgtggtcctg ctcttcgccg cctgctgggg ccccatccag	840
ctgttcctgg tgctgcaggc actgggcccc gcgggctcct ggcacccacg cagctacgcc	900
gcctacgcgc ttaagacctg ggctcactgc atgtcctaca gcaactccgc gctgaaccgc	960
ctgctctacg ccttcctggg ctgcacttc cgacaggcct tccgccgct ctgcccctgc	1020
gcgccgcgcc gccccgccg cccccgccg cccggaccct cggacccgc agccccacac	1080
gcggagctgc accgcctggg gtcccaccgc gccccgccg gggcgagaa gccagggagc	1140
agtgggctgg ccgcgcgcgg gctgtgcgtc ctgggggagg acaacgcccc tctctga	1197

PC25700A.ST25

<210> 2
 <211> 1188
 <212> DNA
 <213> Rattus norvegicus

<400> 2
 atggccgcag aggcgacgtt ggggccgaac gtgagctggt gggctccgtc caacgcttcg 60
 ggatgcccgg gctgcggtgt caatgcctcg gatggcccag gctccgcgcc aaggcccctg 120
 gatgcctggc tgggtcccct gtttttcgct gccctaagt tgctggggct agtcgggaac 180
 tcaactggtca tcttcgttat ctgccgccac aagcacatgc agaccgtcac caatttctac 240
 atcgctaacc tggcggccac agatgtcact ttccttctgt gctgcgtacc cttcaccgcg 300
 ctctctatc cgctgccac ctgggtgctg ggagacttca tgtgcaaatt cgtcaactac 360
 atccagcagg tctcggtgca agccacatgt gccactttga cagccatgag tgtggaccgc 420
 tggtagctga ctgtgttccc gctgcgtgca cttcaccgcc gactccgcg cctggccctg 480
 actgtcagcc ttagcatctg ggtgggttcc gcagctgttt ccgccccggt gctggctctg 540
 caccgcctgt cggccgggcc tcacacctac tgcagtgagg cgtttcccag ccgtgccctg 600
 gagcgcgctt tcgcgtctca caacctgctg gccctatacc tgctgccgt gctcgccacc 660
 tgcgcctgt acggtgccat gctgcgccac ctgggcccgc ccgctgtacg ccccgacccc 720
 actgatggcg ccctgcaggg gcagctgcta gcacagcgcg ctggagcagt gcgcaccaag 780
 gtctcccggc tgggtggccgc tgtcgtcctg ctcttcgccg cctgctgggg cccgatccag 840
 ctgttctctg tgcttcaagc cctgccgctc gggggcctgg caccctcgaa gctatgcgcc 900
 tacgcgtca agatctgggc tcaactgcatg tcctacagca attctgcgt caaccgcgtg 960
 ctctatgcct tcctgggttc ccacttcaga caggccttct gccgcgtgtg cccctgcggc 1020
 ccgcaacgcc agcgtcggcc ccacgcgtca gcgcactcgg accgagccgc accccatagt 1080
 gtgccgcaca gccgggctgc gcaccctgtc cgggtcagga cccccgagcc tgggaaccct 1140
 gtggtgcact cgcctctgt tcaggatgaa cacactgccc cactctga 1188

<210> 3
 <211> 1191
 <212> DNA
 <213> Mus musculus

<400> 3
 atggccaccg aggcgacatt ggctcccaat gtgacctggt gggctccgtc caacgcttca 60
 ggatgcccag gctgcggtgt caacgcctcg gatgaccag gctctgcgcc aaggcccctg 120
 gatgcctggc tggttcccct gtttttcgct aactcatgt tgcttgggct ggtcggaac 180
 tcattggtca tctacgttat ctgccgccac aagcacatgc agacagttac caacttctac 240
 atcgctaacc tggctgccac agacgtcact ttcctactgt gctgcgtgcc cttcaccgca 300

PC25700A.ST25

ctcctctacc cgctgcccgc ctgggtgctg ggagacttca tgtgcaaatt cgtcaactac 360
atccagcagg tctcggtgca agccacatgt gccactctga cggccatgag tgtggaccgc 420
tggtatgtga ctgtgttccc gctgctgca cttcaccgcc gactccgcg cctggccctg 480
gctgtcagcc tcagcatctg ggtgggggtca gcagctgtgt ccgccccggt gctggccctg 540
caccgcctgt cgccagggcc tcgcacctac tgcagcgagg cgtttcccag ccgcgccctg 600
gagcgcgcct tcgcgtcta caacctgctg gctctatatc tgctgccgct gctcgccacc 660
tgcgcctgct acggcgccat gctgcgccac ctggggccgtg cggctgtacg ccccgacccc 720
actgacggcg ccctgcaggg acagctgcta gcacagcgcg ccggagcagt gcgcaccaag 780
gtctcccggc tgggtggccgc tgtcgtcctg ctcttcgccg cctgctgggg cccgatccag 840
ctgttcctgg tgcttcaagc cctggggcccc tcgggggcct ggcaccctcg aagctatgcc 900
gcctacgcgg tcaagatctg ggctcactgc atgtcctaca gcaactcggc gctcaatccg 960
ctgctctatg ccttcctggg ttcacacttc agacaggcct tctgccgcgt gtgcccctgc 1020
tgccggcaac gccagcgccg gcccacacg tcagcgact cggaccgagc tgcaactcac 1080
actgtgccgc acagccgtgc tgcgcacct gtgcggatca ggagcccgga gcctgggaac 1140
cctgtggtgc gctcgccctg cgctcagagt gaacgcactg cctcactctg a 1191

<210> 4
<211> 398
<212> PRT
<213> Homo sapiens

<400> 4

Met His Thr Val Ala Thr Ser Gly Pro Asn Ala Ser Trp Gly Ala Pro
1 5 10 15

Ala Asn Ala Ser Gly Cys Pro Gly Cys Gly Ala Asn Ala Ser Asp Gly
20 25 30

Pro Val Pro Ser Pro Arg Ala Val Asp Ala Trp Leu Val Pro Leu Phe
35 40 45

Phe Ala Ala Leu Met Leu Leu Gly Leu Val Gly Asn Ser Leu Val Ile
50 55 60

Tyr Val Ile Cys Arg His Lys Pro Met Arg Thr Val Thr Asn Phe Tyr
65 70 75 80

Ile Ala Asn Leu Ala Ala Thr Asp Val Thr Phe Leu Leu Cys Cys Val
85 90 95

Pro Phe Thr Ala Leu Leu Tyr Pro Leu Pro Gly Trp Val Leu Gly Asp
Page 3

100 105 110
 Phe Met Cys Lys Phe Val Asn Tyr Ile Gln Gln Val Ser Val Gln Ala
 115 120 125
 Thr Cys Ala Thr Leu Thr Ala Met Ser Val Asp Arg Trp Tyr Val Thr
 130 135 140
 Val Phe Pro Leu Arg Ala Leu His Arg Arg Thr Pro Arg Leu Ala Leu
 145 150 155 160
 Ala Val Ser Leu Ser Ile Trp Val Gly Ser Ala Ala Val Ser Ala Pro
 165 170 175
 Val Leu Ala Leu His Arg Leu Ser Pro Gly Pro Arg Ala Tyr Cys Ser
 180 185 190
 Glu Ala Phe Pro Ser Arg Ala Leu Glu Arg Ala Phe Ala Leu Tyr Asn
 195 200 205
 Leu Leu Ala Leu Tyr Leu Leu Pro Leu Leu Ala Thr Cys Ala Cys Tyr
 210 215 220
 Ala Ala Met Leu Arg His Leu Gly Arg Val Ala Val Arg Pro Ala Pro
 225 230 235 240
 Ala Asp Ser Ala Leu Gln Gly Gln Val Leu Ala Glu Arg Ala Gly Ala
 245 250 255
 Val Arg Ala Lys Val Ser Arg Leu Val Ala Ala Val Val Leu Leu Phe
 260 265 270
 Ala Ala Cys Trp Gly Pro Ile Gln Leu Phe Leu Val Leu Gln Ala Leu
 275 280 285
 Gly Pro Ala Gly Ser Trp His Pro Arg Ser Tyr Ala Ala Tyr Ala Leu
 290 295 300
 Lys Thr Trp Ala His Cys Met Ser Tyr Ser Asn Ser Ala Leu Asn Pro
 305 310 315 320
 Leu Leu Tyr Ala Phe Leu Gly Ser His Phe Arg Gln Ala Phe Arg Arg
 325 330 335
 Val Cys Pro Cys Ala Pro Arg Arg Pro Arg Arg Pro Arg Arg Pro Gly
 340 345 350

PC25700A.ST25

Pro Ser Asp Pro Ala Ala Pro His Ala Glu Leu His Arg Leu Gly Ser
355 360 365

His Pro Ala Pro Ala Arg Ala Gln Lys Pro Gly Ser Ser Gly Leu Ala
370 375 380

Ala Arg Gly Leu Cys Val Leu Gly Glu Asp Asn Ala Pro Leu
385 390 395

<210> 5
<211> 395
<212> PRT
<213> Rattus norvegicus

<400> 5

Met Ala Ala Glu Ala Thr Leu Gly Pro Asn Val Ser Trp Trp Ala Pro
1 5 10 15

Ser Asn Ala Ser Gly Cys Pro Gly Cys Gly Val Asn Ala Ser Asp Gly
20 25 30

Pro Gly Ser Ala Pro Arg Pro Leu Asp Ala Trp Leu Val Pro Leu Phe
35 40 45

Phe Ala Ala Leu Met Leu Leu Gly Leu Val Gly Asn Ser Leu Val Ile
50 55 60

Phe Val Ile Cys Arg His Lys His Met Gln Thr Val Thr Asn Phe Tyr
65 70 75 80

Ile Ala Asn Leu Ala Ala Thr Asp Val Thr Phe Leu Leu Cys Cys Val
85 90 95

Pro Phe Thr Ala Leu Leu Tyr Pro Leu Pro Thr Trp Val Leu Gly Asp
100 105 110

Phe Met Cys Lys Phe Val Asn Tyr Ile Gln Gln Val Ser Val Gln Ala
115 120 125

Thr Cys Ala Thr Leu Thr Ala Met Ser Val Asp Arg Trp Tyr Val Thr
130 135 140

Val Phe Pro Leu Arg Ala Leu His Arg Arg Thr Pro Arg Leu Ala Leu
145 150 155 160

Thr Val Ser Leu Ser Ile Trp Val Gly Ser Ala Ala Val Ser Ala Pro
165 170 175

PC25700A.ST25

Val Leu Ala Leu His Arg Leu Ser Pro Gly Pro His Thr Tyr Cys Ser
180 185 190

Glu Ala Phe Pro Ser Arg Ala Leu Glu Arg Ala Phe Ala Leu Tyr Asn
195 200 205

Leu Leu Ala Leu Tyr Leu Leu Pro Leu Leu Ala Thr Cys Ala Cys Tyr
210 215 220

Gly Ala Met Leu Arg His Leu Gly Arg Ala Ala Val Arg Pro Ala Pro
225 230 235 240

Thr Asp Gly Ala Leu Gln Gly Gln Leu Leu Ala Gln Arg Ala Gly Ala
245 250 255

Val Arg Thr Lys Val Ser Arg Leu Val Ala Ala Val Val Leu Leu Phe
260 265 270

Ala Ala Cys Trp Gly Pro Ile Gln Leu Phe Leu Val Leu Gln Ala Leu
275 280 285

Pro Leu Gly Gly Leu Ala Pro Ser Lys Leu Cys Ala Tyr Ala Leu Lys
290 295 300

Ile Trp Ala His Cys Met Ser Tyr Ser Asn Ser Ala Leu Asn Pro Leu
305 310 315 320

Leu Tyr Ala Phe Leu Gly Ser His Phe Arg Gln Ala Phe Cys Arg Val
325 330 335

Cys Pro Cys Gly Pro Gln Arg Gln Arg Arg Pro His Ala Ser Ala His
340 345 350

Ser Asp Arg Ala Ala Pro His Ser Val Pro His Ser Arg Ala Ala His
355 360 365

Pro Val Arg Val Arg Thr Pro Glu Pro Gly Asn Pro Val Val His Ser
370 375 380

Pro Ser Val Gln Asp Glu His Thr Ala Pro Leu
385 390 395

<210> 6
<211> 396
<212> PRT
<213> Mus musculus

<400> 6

PC25700A.ST25

Met Ala Thr Glu Ala Thr Leu Ala Pro Asn Val Thr Trp Trp Ala Pro
1 5 10 15
Ser Asn Ala Ser Gly Cys Pro Gly Cys Gly Val Asn Ala Ser Asp Asp
20 25 30
Pro Gly Ser Ala Pro Arg Pro Leu Asp Ala Trp Leu Val Pro Leu Phe
35 40 45
Phe Ala Thr Leu Met Leu Leu Gly Leu Val Gly Asn Ser Leu Val Ile
50 55 60
Tyr Val Ile Cys Arg His Lys His Met Gln Thr Val Thr Asn Phe Tyr
65 70 75 80
Ile Ala Asn Leu Ala Ala Thr Asp Val Thr Phe Leu Leu Cys Cys Val
85 90 95
Pro Phe Thr Ala Leu Leu Tyr Pro Leu Pro Ala Trp Val Leu Gly Asp
100 105 110
Phe Met Cys Lys Phe Val Asn Tyr Ile Gln Gln Val Ser Val Gln Ala
115 120 125
Thr Cys Ala Thr Leu Thr Ala Met Ser Val Asp Arg Trp Tyr Val Thr
130 135 140
Val Phe Pro Leu Arg Ala Leu His Arg Arg Thr Pro Arg Leu Ala Leu
145 150 155 160
Ala Val Ser Leu Ser Ile Trp Val Gly Ser Ala Ala Val Ser Ala Pro
165 170 175
Val Leu Ala Leu His Arg Leu Ser Pro Gly Pro Arg Thr Tyr Cys Ser
180 185 190
Glu Ala Phe Pro Ser Arg Ala Leu Glu Arg Ala Phe Ala Leu Tyr Asn
195 200 205
Leu Leu Ala Leu Tyr Leu Leu Pro Leu Leu Ala Thr Cys Ala Cys Tyr
210 215 220
Gly Ala Met Leu Arg His Leu Gly Arg Ala Ala Val Arg Pro Ala Pro
225 230 235 240
Thr Asp Gly Ala Leu Gln Gly Gln Leu Leu Ala Gln Arg Ala Gly Ala
245 250 255

PC25700A.ST25

Val Arg Thr Lys Val Ser Arg Leu Val Ala Ala Val Val Leu Leu Phe
 260 265 270
 Ala Ala Cys Trp Gly Pro Ile Gln Leu Phe Leu Val Leu Gln Ala Leu
 275 280 285
 Gly Pro Ser Gly Ala Trp His Pro Arg Ser Tyr Ala Ala Tyr Ala Val
 290 295 300
 Lys Ile Trp Ala His Cys Met Ser Tyr Ser Asn Ser Ala Leu Asn Pro
 305 310 315 320
 Leu Leu Tyr Ala Phe Leu Gly Ser His Phe Arg Gln Ala Phe Cys Arg
 325 330 335
 Val Cys Pro Cys Cys Arg Gln Arg Gln Arg Arg Pro His Thr Ser Ala
 340 345 350
 His Ser Asp Arg Ala Ala Thr His Thr Val Pro His Ser Arg Ala Ala
 355 360 365
 His Pro Val Arg Ile Arg Ser Pro Glu Pro Gly Asn Pro Val Val Arg
 370 375 380
 Ser Pro Cys Ala Gln Ser Glu Arg Thr Ala Ser Leu
 385 390 395